

# METHOD OF ADJUSTING HALFTONE IMAGE DOT POSITIONS FOR IMPROVING PRINT QUALITY

## Abstract

A method of adjusting positions of dots in an original halftone image for improving quality of printed images, the original halftone image including a plurality of pixels containing either dots to be printed or blank spaces. The method includes selecting a pixel in the original halftone image containing a selected dot to be printed, analyzing pixels in the original halftone image neighboring the selected pixel to determine if the neighboring pixels contain dots to be printed, adjusting the position of the selected dot in the selected pixel to increase an average distance between the selected dot and the dots in the neighboring pixels, and creating a modified halftone image in which the position of selected dot has been adjusted.